

# Surge protection device - CSMA-LAMBDA/4-2.0-BS-SET - 2800491


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Attachment plug with Lambda/4 technology as surge protection for coaxial signal interfaces. Connection: Male/female SMA connectors.



## Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 556149
GTIN	4046356556149

## Technical data

### Dimensions

Height	25 mm
Width	84.8 mm
Depth	81.5 mm

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Altitude	≤ 2000 m (amsl (above mean sea level))
Degree of protection	IP55

### General

Housing material	HPb59-1
Color	nickel
Mounting type	Connection-specific intermediate plugging
Type	Attachment plug
Number of positions	2
Direction of action	Line-Shield/Earth Ground

### Protective circuit

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## Technical data

### Protective circuit

IEC test classification	C2
	C3
	D1
Rated current	2 A (25 °C)
Nominal discharge current $I_n$ (8/20) $\mu$ s (line-earth)	6 kA
Nominal discharge current $I_n$ (8/20) $\mu$ s (line-shield)	6 kA
Pulse discharge current $I_{imp}$ (10/350) $\mu$ s (line-shield)	1 kA
Total discharge current $I_{total}$ (8/20) $\mu$ s	6 kA
Output voltage limitation at 1 kV/ $\mu$ s (line-earth) static	$\leq 1$ V
Output voltage limitation at 1 kV/ $\mu$ s (line-shield) static	$\leq 1$ V
Voltage protection level $U_p$ (line-earth)	$\leq 5$ V (C1 - 1 kV/500 A)
	$\leq 25$ V (C2 - 10 kV / 5 kA)
	$\leq 15$ V (6 kV / 3 kA)
Input attenuation aE, asym.	$\leq 1$ dB (0.8 GHz ... 2.25 GHz)
Frequency range	0.8 GHz ... 2.25 GHz
Standing wave ratio SWR in a 50 $\Omega$ system	$\leq 1.2$ (0.8 GHz ... 2.25 GHz)
	$\leq 1.1$ (1.7 GHz ... 2.1 GHz)
Permissible HF power $P_{max}$ at VSWR = xx (50 ohm system)	$\leq 110$ W (VSWR = 1,0 / 40 °C)
	$\leq 60$ W (VSWR = 1,0 / 70 °C)
Surge protection fault message	none
Impulse durability (line-earth)	C2 - 10 kV / 5 kA
	D1 - 1 kA
Impulse durability (line-shield)	C2 - 10 kV/5 kA
	D1 - 1 kA

### Connection data

Connection method	SMA connector
Connection method IN	SMA connector, female connector
Connection method OUT	SMA connector, male connector

### Standards and Regulations

Standards/specifications	IEC 61643-21 2000 + A1:2008, modified
	EN 61643-21 2001 + A1:2009

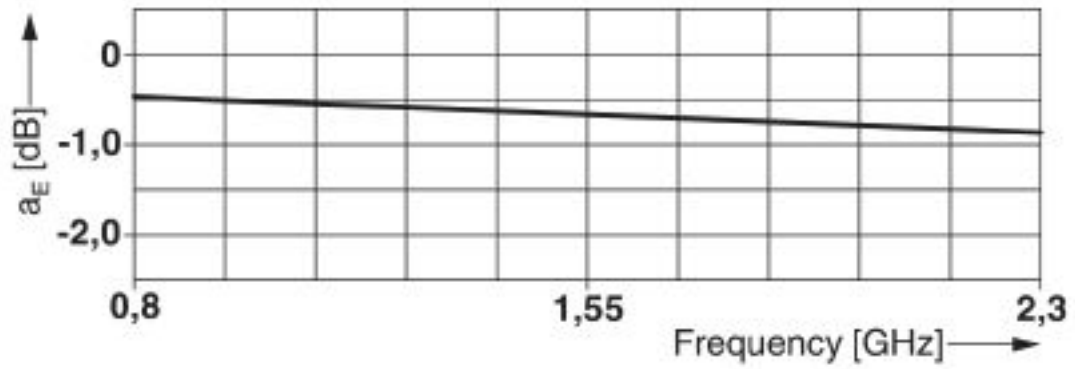
### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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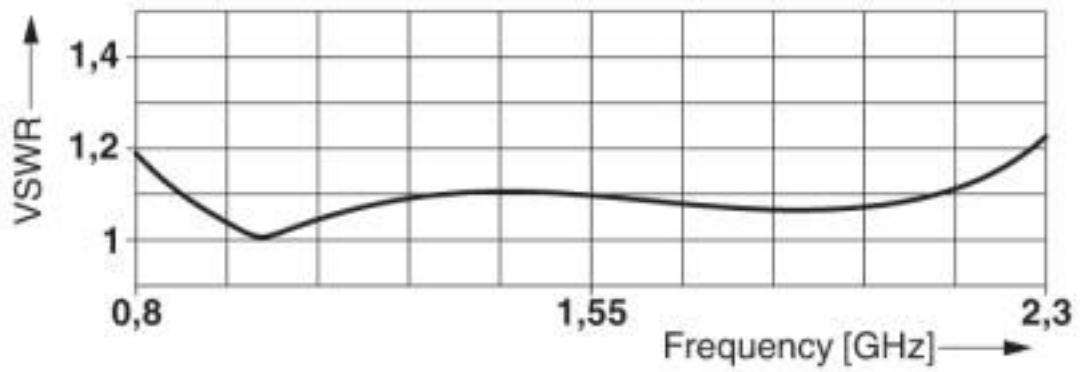
## Drawings

# Surge protection device - CSMA-LAMBDA/4-2.0-BS-SET - 2800491

Diagram

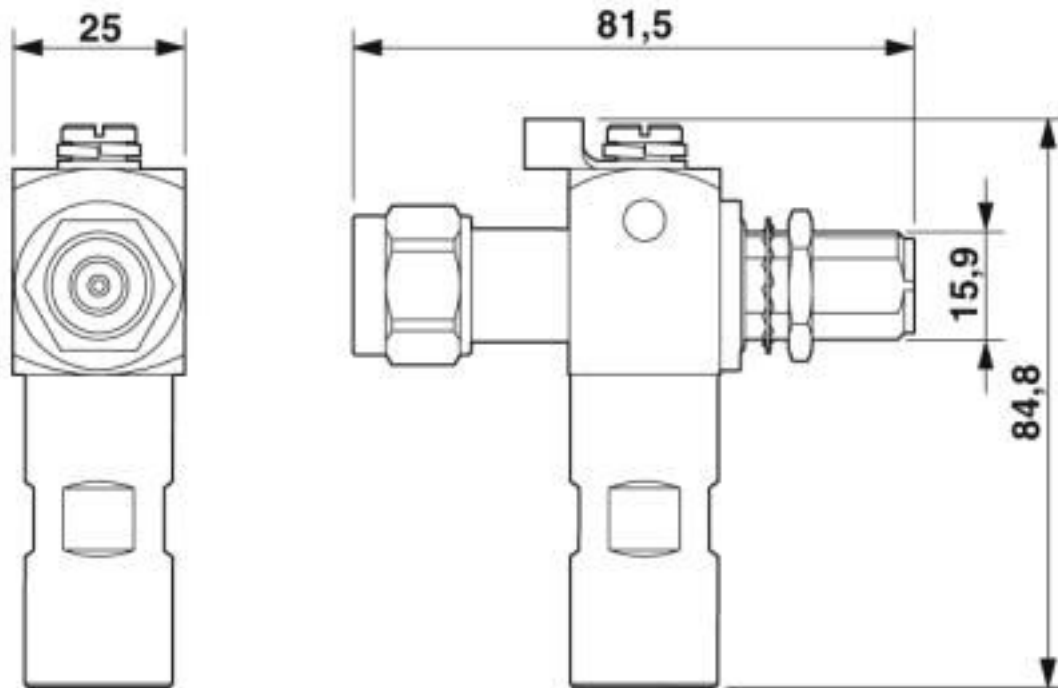


Diagram

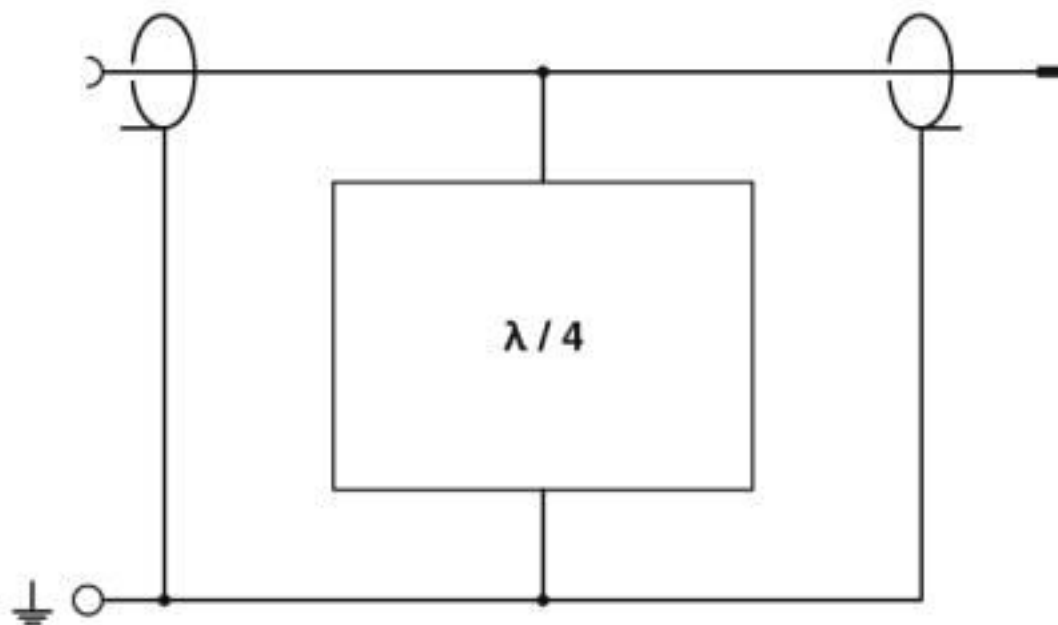


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Dimensional drawing



Circuit diagram



## Classifications

eCl@ss

eCl@ss 10.0.1	27130807
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## Classifications

### eCl@ss

eCl@ss 4.0	27130800
eCl@ss 4.1	27130800
eCl@ss 5.0	27130800
eCl@ss 5.1	27130800
eCl@ss 6.0	27130800
eCl@ss 7.0	27130807
eCl@ss 8.0	27130807
eCl@ss 9.0	27130807

### ETIM

ETIM 2.0	EC000943
ETIM 3.0	EC000943
ETIM 4.0	EC000943
ETIM 5.0	EC000943
ETIM 6.0	EC000943
ETIM 7.0	EC000943

### UNSPSC

UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610
UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	39121620
UNSPSC 18.0	39121620
UNSPSC 19.0	39121620
UNSPSC 20.0	39121620
UNSPSC 21.0	39121620

## Approvals

### Approvals

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Approvals

EAC

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Ex Approvals

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### Approval details

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## Approvals

EAC		EAC-Zulassung
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## Accessories

### Accessories

#### Assembly adapter

Mounting plate - CN-UB/MP - 2818135



Tongue for attaching the CN-UB..., to housing panels, for example.

Mounting plate - CN-UB/MP-90DEG-50 - 2803137



Angled bracket for individually fixing CN-UB... to housing panels, for example.

## Additional products

Mounting plate - CN-UB/MP - 2818135



Tongue for attaching the CN-UB..., to housing panels, for example.

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